

B.Sc. (Honours) Examination, 2018

Semester – VI

Botany

Paper : BBE-62 (Elective)

(Seed Technology)

Time: Three Hours

Full Marks: 40

Questions are of value as indicated in the margin

Answer **any four** questions

1. Describe the structural details of a typical seed. How does a monocot seed differ from a dicot seed? What is the importance of seed? 6+2+2=10
 2. Discuss phase-wise seed development process including seed maturation. Enumerate the roles of plant hormones during this stage. 7+3=10
 3. Why is dormancy important for seeds? Classify the types of seed dormancy encountered in angiosperms. 3+7=10
 4. Describe phase-wise the process of seed germination mentioning the role of hormones. Distinguish between orthodox and recalcitrant seeds. 8+2=10
 5. What is meant by seed storage longevity? Write an account of seed deterioration under storage. 2+8=10
 6. Write short notes on: 2.5x4=10
 - (a) Seed viability
 - (b) Vivipary
 - (c) Artificial methods of breaking of seed dormancy
 - (d) Storage organs of seeds
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